

IOAP 4.1-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Anatoly Leontievich Vikharev, Aleksey Mikhaylovich Gorbachev, Aleksandr Grigorievich Litvak, Jurij Vladmirovich Bykov, Grigory Gennadievich Denisov, Oleg Andreevich Ivanov and Vladimir Aleksandrovich Koldanov

For : HIGH VELOCITY METHOD FOR DEPOSITING DIAMOND FILMS FROM A GASEOUS PHASE IN SHF DISCHARGE PLASMA AND A PLASMA REACTOR FOR CARRYING OUT SAID METHOD

COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION STATEMENT UNDER  
RULE 1.97 and 1.98**

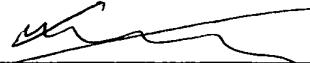
Provided herewith are copies of patents and publications as listed in the attached form PTO-1449. A concise explanation of the relevance of each reference listed in form PTO-1449 is contained in the above-captioned specification as filed.

Applicant respectfully asserts that the substantive provisions of 37 CFR 1.97 and 37 CFR 1.98 are met by the provision of the foregoing statement.

Respectfully,

  
Anatoly Leontievich Vikharev  
Date: 21. 02. 05

  
Aleksey Mikhaylovich Gorbachev  
Date: 21. 02. 05

  
Aleksandr Grigorievich Litvak  
Date: 22/02/05

10/526800  
11T12 Rec'd PCT/PTO 07 MAR 2005

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Juriy Vladmirovich Bykov  
Date: 22.02.05



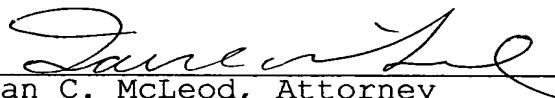
Grigory Gennadievich Denisov  
Date: 22.02.05

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DT1 Sec'd PCT/PTO 07 MAR 2005

PTO/SB/08B (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	
(use as many sheets as necessary)				Filing Date	
Sheet	2	of	2	First Named Inventor	Anatoly Leontievich Vikharev
				Art Unit	
				Examiner Name	
				Attorney Docket Number	IOAP 4.1-1

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	A1	Spitsyn B.V., Bouilov L.L., Derjaguin B.V., J. of Cryst. Growth, 1981, v.52, p.219-226		!
	A2	P. K. Bachmann, in Handbook of industrial diamonds and diamond films, Eds. M. Prelas, G. Popovici, L. K. Bigelow, New York: Marcel Dekker Inc. USA, 1998, p.821-850		
	A3	Yu. P. Raizer, Laser sparks and discharge propagation, Moscow, Nauka, 1974		
	A4	Goodwin D. G., Butler J. E., in Handbook of industrial diamonds and diamond films, Eds. M. Prelas, G. Popovici, L. K. Bigelow, New York: Marcel Dekker Inc. USA, 1998, p. 527-581		
	A5	Mankelevich Yu. A., Rakhimov A. T., Suetin N. V., Sov. J. Plasma Phys., 1995, v. 21, No. 10, pp. 921-927		
	A6	Vikharev, A. L. et al., Sov. J. Plasma Phys., 1987, v.13, NQ9, pp. 648-652		
	A7	G. G. Denisov, S.V. Kuzikov, in Strong Microwaves in Plasmas, Ed. A. G. Litvak, N. Novgorod: IAP, 2000, v.2, p.960-966		
	A8	A. M. Gorbachev et al, Numerical modeling of a microwave plasma CVD reactor, Diamond and Related Materials 10 (2001) p.342-346.		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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**Substitute for form 1449A/PTO**

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

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of

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**Application Number**

**Filing Date**

### First Named Inventor

## Art Unit

Examiner Name \_\_\_\_\_

Anatoly Leontievich Vikharev

Attorney Docket Number **IOAP 4.1-1**

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP® 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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